

NJSB TAG NO. 192

Inspection certificate  
EN 10204-3.1Certificate No.  
307591/2Our Reference No. Pos.  
512818 1Stempel des  
Abnahmebeauftragten  
Inspectors StampHeat No.  
18672

Melting process	Electric steel
Casting method	Ingot casting
Material Grade	X65Cr13 mod.
Steel gr.no.	4037 MOD.
Production order	4318806
Shipment no./Date	6021770718/21.08.2018
Invoice No./Date	6035011736/29.08.2018

Material description : Hot rolled Strip skin passed

Customer Order-No. : PO-000049 Pos. 5

Specification : Chemistry:

C:	0.66 - 0.70 %
Si:	0.30 - 0.50 %
Mn:	0.60 - 0.70 %
P:	max. 0.020 %
S:	max. 0.010 %
Cr:	12.70 - 13.30 %
V:	0.05 - 0.10 %
N:	0.10 - 0.12 %

tolerances acc. DIN EN 10140:2006  
version A

Dimension : 6,730 x 370,000 mm, mill edges  
thickness tolerance +0,160 / -0,160 mm  
width tolerance +3,600 / -0,000 mm  
length 1.219,200 mm +12,000 / -0,000 mm

Chemistry Analysis (% - H [Hydrogen] in ppm)

18672	C	Si	Mn	P	S	Cr	V	N
	0.674	0.340	0.600	0.0230	0.0010	12.780	0.080	0.1190

P was tolerated by them

Hardness Piece

18672-F	Hardness after quench and temp:	56.2 HRC
	E Härte zu Prüfstelle 2 infor:	56.6 HRC
18672-K	Hardness after quench and temp:	57.6 HRC
	E Härte zu Prüfstelle 2 infor:	56.4 HRC

Hardness Test

K8806 hardness converted: 803.1 MPa

Certificate is prepared by EDP-System and is valid without signature.  
We hereby certify, the above mentioned material is in accordance with the terms of the order.

Approval & Certification	Manufacturer Works inspector	Page 1 of 1
Wetzlar, 02.01.2019	Jan Dienstbach	Enclosures <input type="checkbox"/>